

gradational and not well defined. Questioned where doubtful. SOIL AND ROCK SUSCEPTIBLE TO LANDSLIDING Soil and rock similar to that involved in landslides elsewhere in map area; primarily areas COMBINATION LANDSLIDE underlain by claystone, mudstone and shale Area of recent and old slides in which associated with other rock types. Rock weathers individual slides are not identified. rapidly on exposure forming clayey soil highly susceptible to sliding. Includes coves (U-shaped, shallow valleys) containing thick layers of clayey soil that are very susceptible to sliding where COLLUVIAL SLOPE excavation breaks continuity of slope and where Valley wall along major streams with slope as overloaded by artificial fill. steep as 40° (85%); stony, clayey silt soil up to 50 ft. (15 m) thick; commonly buttressed by a terrace or bench at the toe of the slope; very susceptible to sliding by cutting of toe area, removal of terrace or bench, and overloading;

probably includes recent ones not identified

from field evidence or otherwise documented.

Upslope boundary of landslide generally defined

slide commonly activated without apparent cause.

by modified scarp, but downslope (toe) may be

AREAS LEAST PRONE TO LANDSLIDES Map areas in which no patterns or symbols are shown; primarily valley floors, ridge tops and broad benches; modification by excavation and fill may lead to local landslides.

formed dominantly of sandstone, limestone, sandy

shale, mudstone and claystone. Interbedded mud-

sandstone and limestone rock faces unsupported.

stone, claystone and shale weather rapidly leaving

The first five digits of the open file number designate the specific 1:250,000 scale map sheet of which this quadrangle is a part. The last two digits designate the position of the quadrangle in a subdivision of the 1:250,000 scale map based on rows and tiers shown in the diagram to the right. The location of this quadrangle is shown by the black square.

rbb burnt rbd burning sludge rbs Quarries quarry site spoil bank, quarry waste

Columbia 1º X 2º Sheet 881 - 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

site of gravel pit

Slides in man-made features

of earth flow in fill

Gravel pits